INTERNATIONAL SEARCH REPORT

IB2004/051283

A. CLASSIFICATION OF SUBJECT MATTER IPC 7 H02M3/22 H02M H02M3/02 H02M7/02 According to International Patent Classification (IPC) or to both national classification and IPC **B. FIELDS SEARCHED** Minimum documentation searched (classification system followed by classification symbols) IPC 7 HO2M Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched Electronic data base consulted during the international search (name of data base and, where practical, search terms used) EPO-Internal C. DOCUMENTS CONSIDERED TO BE RELEVANT Relevant to daim No. Citation of document, with indication, where appropriate, of the relevant passages Category ° US 6 055 170 A (YEE H P) 1,9,13 X 25 April 2000 (2000-04-25) abstract column 2, line 39 - line 59 column 5, line 13 - line 41 column 6, line 32 - line 51 figure 9 1,9,13 X US 6 541 947 B1 (DITTMER BERND ET AL) 1 April 2003 (2003-04-01) abstract from column 3, line 51 up to column 4, line 16 figure 1 -/--Patent family members are listed in annex. Further documents are listed in the continuation of box C. Special categories of cited documents: *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the "A" document defining the general state of the art which is not considered to be of particular relevance invention "E" earlier document but published on or after the International "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to filing date "L" document which may throw doubts on priority clalm(s) or which is cited to establish the publication date of another citation or other special reason (as specified) involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such docu-*O* document referring to an oral disclosure, use, exhibition or ments, such combination being obvious to a person skilled in the art. other means document published prior to the international filing date but later than the priority date claimed "&" document member of the same patent family Date of mailing of the international search report Date of the actual completion of the international search 17/11/2004 10 November 2004 Authorized officer Name and mailing address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016 Marannino, E.

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Jategory °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
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